

**FORSPAN ASSESSMENT MODEL FOR CONTINUOUS  
ACCUMULATIONS--BASIC INPUT DATA FORM (NOGA, Version 9, 2-10-03)**

**IDENTIFICATION INFORMATION**

Assessment Geologist:	R.M. Pollastro	Date:	9/17/2003
Region:	North America	Number:	5
Province:	Bend Arch-Fort Worth Basin	Number:	5045
Total Petroleum System:	Barnett-Paleozoic	Number:	504501
Assessment Unit:	Greater Newark East Frac-Barrier Continuous Barnett Shale	Number:	50450161
Based on Data as of:	IHS (2003)		
Notes from Assessor:			

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**CHARACTERISTICS OF ASSESSMENT UNIT**

**Assessment-unit type:** Oil (<20,000 cfg/bo) or Gas ( $\geq$ 20,000 cfg/bo), incl. disc. & pot. additions Gas

**What is the minimum total recovery per cell?** 0.02 (mmbo for oil A.U.; bcfg for gas A.U.)

Number of tested cells: 1716

Number of tested cells with total recovery per cell  $\geq$  minimum: 1621

Established (discovered cells): X Hypothetical (no cells): \_\_\_\_\_

Median total recovery per cell (for cells  $\geq$  min.): (mmbo for oil A.U.; bcfg for gas A.U.)

1st	3rd	discovered	<u>1.3</u>	2nd	3rd	<u>0.55</u>	3rd	3rd	<u>0.2</u>
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**Assessment-Unit Probabilities:**

<u>Attribute</u>	<u>Probability of occurrence (0-1.0)</u>
1. <b>CHARGE:</b> Adequate petroleum charge for an untested cell with total recovery $\geq$ minimum.	1.0
2. <b>ROCKS:</b> Adequate reservoirs, traps, seals for an untested cell with total recovery $\geq$ minimum.	1.0
3. <b>TIMING:</b> Favorable geologic timing for an untested cell with total recovery $\geq$ minimum.	1.0

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**Assessment-Unit GEOLOGIC Probability** (Product of 1, 2, and 3): 1.0

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**NO. OF UNTESTED CELLS WITH POTENTIAL FOR ADDITIONS TO RESERVES**

1. Total assessment-unit area (acres): (uncertainty of a fixed value)

calculated mean 995,153 minimum 945,395 mode 995,153 maximum 1,044,911

2. Area per cell of untested cells having potential for additions to reserves (acres): (values are inherently variable)

calculated mean 53.3 minimum 10 mode 40 maximum 110

uncertainty of mean: minimum 40 maximum 60

3. Percentage of total assessment-unit area that is untested (%): (uncertainty of a fixed value)

calculated mean 91.3 minimum 90 mode 91 maximum 93

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**NO. OF UNTESTED CELLS WITH POTENTIAL FOR ADDITIONS TO RESERVES  
(Continued)**

4. Percentage of untested assessment-unit area that has potential for additions to reserves (%):  
(a necessary criterion is that total recovery per cell  $\geq$  minimum; uncertainty of a fixed value)

calculated mean 86      minimum 75      mode 88      maximum 95

Geologic evidence for estimates: Parts of major fault zones and areas of lime wash might be unsuccessful.  
Entire area is a sweet spot with success ratios varying as per page 3.

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**TOTAL RECOVERY PER CELL**

Total recovery per cell for untested cells having potential for additions to reserves:  
(values are inherently variable; mmbo for oil A.U.; bcfg for gas A.U.)

calculated mean 1.01      minimum 0.02      median 0.7      maximum 10

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**AVERAGE COPRODUCT RATIOS FOR UNTESTED CELLS, TO ASSESS COPRODUCTS**  
(uncertainty of fixed but unknown values)

Oil assessment unit:	minimum	mode	maximum
Gas/oil ratio (cfg/bo)	_____	_____	_____
NGL/gas ratio (bngl/mmcfg)	_____	_____	_____
Gas assessment unit:			
Liquids/gas ratio (bliq/mmcfg)	<u>20</u>	<u>40</u>	<u>60</u>

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**SELECTED ANCILLARY DATA FOR UNTESTED CELLS**

(values are inherently variable)

Oil assessment unit:	minimum	mode	maximum
API gravity of oil (degrees)	_____	_____	_____
Sulfur content of oil (%)	_____	_____	_____
Depth (m) of water (if applicable)	_____	_____	_____
Drilling depth (m)			
minimum	F75	mode	F25
_____	_____	_____	_____
Gas assessment unit:	minimum	mode	maximum
Inert-gas content (%)	0.50	2.50	5.00
CO <sub>2</sub> content (%)	0.10	1.00	20.00
Hydrogen sulfide content (%)	0.00	0.00	0.00
Heating value (BTU)	_____	_____	_____
Depth (m) of water (if applicable)	_____	_____	_____
Drilling depth (m)			
minimum	F75	mode	maximum
1800	2258	2400	3200
Success ratios:	calculated mean	minimum	maximum
Future success ratio (%)	86	75	95
Historic success ratio, tested cells (%)	94		

Completion practices:

1. Typical well-completion practices (conventional, open hole, open cavity, other) conventional
  2. Fraction of wells drilled that are typically stimulated 1
  3. Predominant type of stimulation (none, frac, acid, other) water frac with sand
  4. Fraction of wells drilled that are horizontal 0.1
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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES**  
**Surface Allocations** (uncertainty of a fixed value)

1. Texas represents 100 area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

2. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

3. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

4. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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7. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO GENERAL LAND OWNERSHIPS**  
**Surface Allocations (uncertainty of a fixed value)**

1. Federal Lands represents 7.27 area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ 7.27 \_\_\_\_\_

2. Private Lands represents 92.73 area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ 92.73 \_\_\_\_\_

3. Tribal Lands represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

4. Other Lands represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5. State 1 Lands represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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7. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS**  
**Surface Allocations** (uncertainty of a fixed value)

1. Bureau of Land Management (BLM) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

2. BLM Wilderness Areas (BLMW) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

3. BLM Roadless Areas (BLMR) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

4. National Park Service (NPS) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5. NPS Wilderness Areas (NPSW) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. NPS Protected Withdrawals (NPSP) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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7. US Forest Service (FS) represents 4.86 area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ 4.86 \_\_\_\_\_

8. USFS Wilderness Areas (FSW) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. USFS Roadless Areas (FSR) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. USFS Protected Withdrawals (FSP) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. US Fish and Wildlife Service (FWS) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. USFWS Wilderness Areas (FWSW) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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13. USFWS Protected Withdrawals (FWSP) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

14. Wilderness Study Areas (WS) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

15. Department of Energy (DOE) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

16. Department of Defense (DOD) represents 2.41 area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ 2.41 \_\_\_\_\_

17. Bureau of Reclamation (BOR) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

18. Tennessee Valley Authority (TVA) represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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19. Other Federal \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

20. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS**  
**Surface Allocations** (uncertainty of a fixed value)

1. Cross Timbers and Prairie (CRTP) represents 100 area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ 100 \_\_\_\_\_

2. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

3. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

4. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

5. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

6. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

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7. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

8. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

9. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

10. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

11. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

12. \_\_\_\_\_ represents \_\_\_\_\_ area % of the AU

Oil in oil assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

Gas in gas assessment unit: minimum mode maximum  
Volume % in entity \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_